Atty. Docket No.: Q79731

AMENDMENT UNDER 37 C.F.R. § 1.116 U.S. Appln. No.: 10/771,396

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A high performance pneumatic tire comprising a tread formed by using made from a rubber composition comprising (1) a rubber component comprising at least one rubber selected from the group consisting of polybutadiene rubber and a styrene-butadiene copolymer rubber having a content of vinyl bond of not less than 30% and a bound styrene content of more than 30 mass% but not more than 60 mass%; (2) at least one compound selected from the group consisting of a compound represented by the following formula (I), a compound represented by the following formula (III) and a compound represented by the following formula (IV); and (3) an organic thiosulfate compound represented by the following formula (V):

$$\begin{array}{c|c}
R^1 \searrow NC - S - S - CN \searrow R^3 \\
R^2 \searrow NC - S - S - CN \searrow R^4
\end{array}$$
(I)

wherein R¹, R², R³ and R⁴ are independently a straight or branched alkyl group having a carbon number of 3-12 or an aralkyl group having a carbon number of 7-12;

$$\begin{pmatrix} R^5 & S \\ R^6 & NC - S \end{pmatrix}_n M^1 \qquad \dots (II)$$

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wherein R⁵ and R⁶ are independently a straight or branched alkyl group having a carbon number of 7-12 or an aralkyl group having a carbon number of 7-12, and M¹ is a bivalent or polyvalent metal and n is a number equal to an atomic valence of M¹;

wherein R⁷, R⁸, R⁹ and R¹⁰ are independently a straight or branched alkyl group having a carbon number of 3-12 or an aralkyl group having a carbon number of 7-12;

$$\begin{pmatrix} R^{11} & S \\ P - S \end{pmatrix}_{m} M^{2} \qquad \dots \qquad (IV)$$

wherein R¹¹ and R¹² are independently a straight or branched alkyl group having a carbon number of 1-18 or a cycloalkyl group having a carbon number of 5-12, and M² is zinc, copper or iron and m is a number equal to an atomic valence of M²;

$$M^{3}O_{3}S - S - (CH_{2})_{0} - S - SO_{3}M^{3}$$
 (V)

wherein o is a number of 3-10 and M³ is one equivalent weight of lithium, potassium, sodium, magnesium, calcium, barium, zinc, nickel or cobalt, provided that the compound may contain crystal water.

2. (previously presented): A high performance pneumatic tire according to claim 1, wherein R¹, R², R³ and R⁴ in the formula (I) are independently a straight or branched alkyl group having a carbon number of 8-12.

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3. (previously presented): A high performance pneumatic tire according to claim 2, wherein each of R^1 , R^2 , R^3 and R^4 is 2-ethylhexyl group.

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- 4. (previously presented): A high performance pneumatic tire according to claim 1, wherein R¹¹ and R¹² in the formula (IV) are independently a straight or branched alkyl group having a carbon number of 2-8.
- 5. (previously presented): A high performance pneumatic tire according to claim 4, wherein each of R¹¹ and R¹² is isopropyl group or n-butyl group.
 - 6. (canceled).
- 7. (previously presented): A high performance pneumatic tire according to claim 1, wherein a content of the styrene-butadiene copolymer rubber in the rubber component is 50-100 mass%.
- 8. (previously presented): A high performance pneumatic tire according to claim 1, wherein the organic thiosulfate compound represented by the formula (V) is sodium 1,6-hexamethylene dithiosulfate dihydrate.

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9. (previously presented): A high performance pneumatic tire according to claim 1,

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wherein an amount in total of the compound of the formula (I), the compound of the formula (II)

and the compound of the formula (III) is 0.5-10 parts by mass based on 100 parts by mass of the

rubber component.

10. (previously presented): A high performance pneumatic tire according to claim 9,

wherein an amount of the compound of the formula (I) is 0.5-10 parts by mass based on

100 parts by mass of the rubber component.

11. (previously presented): A high performance pneumatic tire according to claim 1,

wherein an amount of the compound of the formula (IV) is 0.1-5 parts by mass based on

100 parts by mass of the rubber component.

12. (previously presented): A high performance pneumatic tire according to claim 1,

wherein an amount of the compound of the formula (V) is 1-10 parts by mass based on 100 parts

by mass of the rubber component.

13. (canceled).

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